Express Mail No. ED281933589

JC20 Rec'd PCT/PTO 2 7 JUN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors:

Elizabeth E. Mannick et al.

Serial No:

11/

35 U.S.C. § 371 Date:

27 June 2005

Title:

Target Genes for Inflammatory Bowel Disease

Atty Docket:

Mannick 04M11-US

Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of candor and good faith imposed by 37 C.F.R. §1.56 and means of complying therewith according to 37 C.F.R. §\$1.97 and 1.98, the references listed on the attached Information Disclosure Citation are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application. Copies of the cited references are enclosed herewith, except for U.S. patent documents. No admission is made that the cited art represents the prior art or that the cited art is the most material art.

The Office is urged to consider the cited references and to make an independent decision with respect to their materiality.

Respectfully submitted,

Bonnie J. Davis

Registration No. 41,699

TAYLOR, PORTER, BROOKS & PHILLIPS L.L.P.

P.O. Box 2471

Baton Rouge, Louisiana 70821

(225) 387-3221

27 June 2005

JC20 Rec'd PCT/PTO 2 7 JUN 2005

Express Mail No. ED281933589

Substitute for 1449A/P			nt and Trademark Office	COMPLETE IF KNOWN		
INFORMATION DISCLOSURE CITATION				Application Number	10/540951	
(use as many sheets as necessary)				Filing Date	27 June 2005	
·				First Named Inventor	Elizabeth E. Mannick	
				Art Unit		
				Examiner Name		
Sheet	1	of	3	Attorney Docket No.	Mannick 04M11-US	

U.S. PATENT DOCUMENTS						
Exam, Initial	Document No.	Date	Name	Class	Subcl.	File Date

Note: Copies of U.S. Patents are not enclosed. See OG Notice of August 5, 2003.

FOREIGN PATENT DOCUMENTS						
_	Foreign Patent Document	Publication Date MM-DD-YY	Name of Patentee or			
Exam. Initial	Exam. Initial Country Code / Number / Kind		Applicant of Cited Document	Translation?		
	WO / 2004/001073A1 / Application	12-31-03	Dieckmann et al.			
•	WO / 01/29269A2 / Application	04-26-01	Chakravarti			
	WO / 02/059367A2-A3 / Application	08-01-02	Mannick et al.			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
Becker, K.G. et al., "Clustering of non-major histocompatibility complex susceptibility candidate loci in human autoimmune diseases," Proc. Natl. Acad. Sci. USA, vol. 95, pp. 9979-9984 (1998)
Brant, S.R. et al., "MDR1 Ala893 polymorphism is associated with inflammatory bowel disease," Am. J. Hum. Genet., vol. 73, pp. 1282-92 (2003)
Dieckgraefe, B.K. et al., "Analysis of mucosal gene expression in inflammatory bowel disease by parallel oligonucleotide arrays," Physiol. Genomics, vol. 4, pp. 1-11 (2000)
Hampe J. et al., "A genomewide analysis provides evidence for novel linkages in inflammatory bowel disease in a large European cohort," Am. J. Hum. Genet., vol. 64, pp. 808-816 (1999)
Heller, R.A. et al., "Discovery and analysis of inflammatory disease-related genes using cDNA microarrays," Proc.Natl.Acad.Sci.USA, vol. 94, pp. 2150-2155 (1997)

EXAMINER SIGNATURE	DATE CONSIDERED

* EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw a line through the citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Express Mail No. ED281933589

JC20 Rec'd PCT/PTO 2 7 JUN 2005

Substitute for 1449A/PT			nt and Trademark Office	COMPLETE IF KNOWN		
INFORMATIO	ON DIS	SCLOSI	JRE CITATION	Application Number	1#0/940991	
(use as many sheets as necessary)				Filing Date	27 June 2005	
				First Named Inventor	Elizabeth E. Mannick	
				Art Unit		
				Examiner Name		
Sheet	2	of	3	Attorney Docket No.	Mannick 04M11-US	

_	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	Helms, C. et al., "A putative RUNX1 binding site variant between SLC9A3R1 and NAT9 is associated with susceptibility to psoriasis," Nat. Genet., vol. 35, pp. 349-356 (2003)
	Hugot, J.P. et al., "Genome-wide scanning in inflammatory bowel diseases," Dig. Dis., vol. 16, pp. 364-369 (1998)
	Ide, H. et al., "Expression of colonystimulating factor I receptor during prostate development and prostate cancer progression," Proc. Nat. Acad. Sci. USA, vol. 99, pp. 14404-9 (2002)
	Inohara, N. et al., "Host recognition of bacterial muramyl dipeptide mediated through NOD2. Implications for Crohn's disease," J. Biol. Chem., vol. 278, pp. 5509-12 (2003)
	Kacinski, B.M., "CSF-1 and its receptor in breast carcinomas and neoplasms of the female reproductive tract," Mol. Reprod. Dev., vol. 46, pp. 71-74 (1997)
	Kacinski, B.M. <i>et al.</i> , "RU-486 can abolish glucocorticoid-induced increases in CSF-1 receptor expression in primary breast carcinoma specimens," J. Soc. Gynecol. Investig., vol. 8, pp. 114-116 (2001)
	Klein, W. et al., "A polymorphism in the CD 14 gene is associated with Crohn disease," Scand. J. Gastroenterol., vol. 37, pp. 189-91 (2002)
	Lawrance, I. et al., "Ulcerative colitis and Crohn's disease: distinctive gene expression profiles and novel susceptibility candidate genes." Hum Mol Genet 2001;10:445-56
	Ogura, Y. et al., "Expression of NOD2 in Paneth cells: a possible link to Crohn's ileitis," Gut, vol. 52, p. 591-597 (2003)
	Pallone, F. et al., "Genetic and pathogenetic insights into inflammatory bowel disease," Curr. Gastroenterol. Rep., vol. 5, pp. 487-92 (2003)
	Panwala, C.M. et al., "A novel model of inflammatory bowel disease: mice deficient fro the multiple drug resistance gene, mdrl a, spontaneously develop colitis," J. Immunol., vol. 161, pp. 5733-5744 (1998)
	Prokunina, L. et al., "A regulatory polymorphism in PDCD1 is associated with susceptibility to systemic lupus erythematosus in humans," Nat. Genet., vol. 32, pp. 666-669 (2002)

EXAMINER SIGNATURE	DATE CONSIDERED
* EXAMINER:	is in conformance with MPEP 609; draw a line through ed. Include copy of this form with next communication

Express Mail No. ED281933589

JC20 Rec'd PCT/PTO 2 7 JUN 2005

Substitute for 1449A/P			nt and Trademark Office partment of Commerce	COMPLETE KNOWN, OOF		
INFORMATION DISCLOSURE CITATION				Application Number	11/40/51	
(u	(use as many sheets as necessary)				27 June 2005	
					Elizabeth E. Mannick	
				Art Unit		
				Examiner Name		
Sheet	3	of	3	Attorney Docket No.	Mannick 04M11-US	

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)
	Riccioni, R. et al., "C-fms expression correlates with monocytic differentiation in PML-RAR alpha+ acute promyelocytic leukemia," Leukemia, vol. 17, pp. 98-113 (2003)
	Rieser, C. et al., "Human monocyte-derived dendritic cells produce macrophage colony-stimulating factor: enhancement of c-fms expression by interleukin-10," Eur. J. Immunol., vol. 28, pp. 2283-88 (1998)
	Rioux, J.D. et al., "Genomewide search in Canadian families with inflammatory bowel disease reveals two novel susceptibility loci," Am. J. Hum. Genet., vol. 66, pp. 1863-70 (2000)
	Rioux, J.D. et al., "Genetic variation in the 5g3l cytokine gene cluster confers susceptibility to Crohn disease," Nat. Genet., vol. 29, pp. 223-8 (2001)
_	Rudolph, U. et al., "Ulcerative colitis and adenocarcinoma of the colon in G alpha i2-deficient mice," Nat. Genet., vol. 10, pp. 143-150 (1995)
	Sapi, E. et al., "Effect of all-trans-retinoic acid on c-fms proto-oncogene [colony-stimulating factor 1 (CSF-1) receptor] expression and CSF-1-induced invasion and anchorage-independent growth of human breast carcinoma cells," Cancer Research, vol. 59, pp. 5578-5585 (1999)
	Sapi, E. et al., "Expression of CSF-1 and CSF-I receptor by normal lactating mammary epithelial cells," J. Soc. Gynecol. Investig., vol. 5, pp. 94-101 (1998)
	Sapi, E. et al., "Transcriptional regulation of the c-fms (CSF-1R) proto-oncogene in human breast carcinoma cells by glucocorticoids," Oncogene, vol. 10, pp. 529-42 (1995)
	Schena, M. et al., "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," Science, vol. 270, pp. 467-470 (1995)
	Schwab, M. et al., "Association between the C343ST MDRI gene polymorphism and susceptibility for ulcerative colitis," Gastroenterology, vol. 124, pp. 26-30 (2003)
	Smith, H.O. et al., "The role of colony-stimulating factor I and its receptor in the etiopathogenesis of endometrial adenocarcinoma," Clin. Cancer Res., vol. 1, pp. 313-25 (1995)
	Tokuhiro, S. et al., "An intronic SNP in a RUNX1 binding site of SLC22A4, encoding an organic cation transporter, is associated with rheumatoid arthritis," Nat. Genet., vol. 35, pp. 341-348 (2003)
	Welte, T. et al., "STAT3 deletion during hematopoiesis causes Crohn's disease-like pathogenesis and lethality: a critical role of STAT3 in innate immunity," Proc. Natl. Acad. Sci. USA, vol. 100, pp. 1879-1884 (2003)
	Zapata-Velandia, A. et al., "Association of the T allele of an intronic single nucleotide polymorphism in the colony stimulating factor 1 receptor with Crohn's disease: a case-control study," Journal of Immune Based Therapies and Vaccines, vol. 2, pp. 6-14 (2004).
	Daseu Therapies and Vaccines, Vol. 2, pp. 0-14 (2004).

EXAMINER SIGNATURE		DATE CONSIDERED
* EXAMINER:	•	is in conformance with MPEP 609; draw a line through ed. Include copy of this form with next communication